

## DA SV EQ Series

S-Video Distribution Amplifiers with Gain and EQ Controls



### COMMON FEATURES

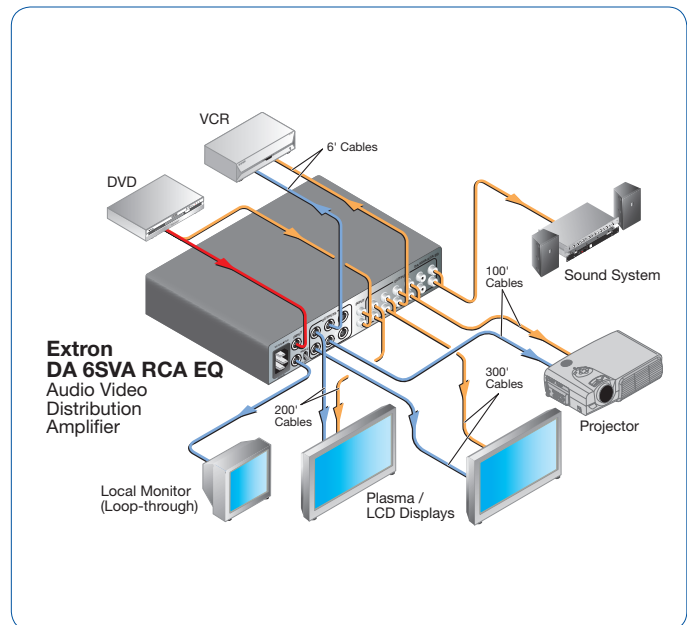
- 150 MHz (-3 dB) video bandwidth, fully loaded
- Variable gain and EQ controls for luma signal
- Variable gain control for chroma signal
- Independent variable gain and EQ control for every two outputs
- Buffered and amplified outputs
- Video inputs and outputs on 4-pin mini DIN connectors
- Input loop-through
- Balanced/unbalanced stereo audio on captive screw connectors or RCA jacks
- 1U, 6" deep, half-rack metal enclosure
- Internal international power supply

### DESCRIPTION

The Extron **DA SV EQ Series** high performance distribution amplifiers are designed to split and extend S-video and audio signals over long cable runs while maintaining the quality and strength of a signal source.

The DA SV EQ Series includes three distribution amplifiers for S-video and audio signals. With 150 MHz (-3dB) video bandwidth, fully loaded, each model features gain adjustments to allow for compensation of signal level loss that occurs over long cable runs and EQ adjustments to compensate for high frequency loss. All models are compatible with NTSC, PAL, and SECAM video signals, and allow for cable runs of 600 feet (180 meters) to 1,000 feet (300 meters) or more, depending on the quality of the S-video cable. Each model also includes input loop-through capabilities, which enables users to add more amplifiers and create a larger DA system or drive a local monitor.

Housed in durable and compact half-rack metal enclosures, the DA AV EQ Series is designed for easy integration into both new and existing A/V systems including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments.



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DA SV EQ Series

S-Video Models

### DA 6SV EQ

Six Output S-Video Distribution Amplifier with Gain and EQ Controls



MODEL	VERSION DESCRIPTION	PART #
DA 6SV EQ	1x6 S-Video .....	60-692-02

S-Video and Stereo Audio Models

### DA 6SVA EQ

Six Output S-Video and Stereo Audio Distribution Amplifier with Gain and EQ Controls

UNIQUE FEATURES

- Balanced/unbalanced stereo audio input and output on captive screw connectors



MODEL	VERSION DESCRIPTION	PART #
DA 6SVA EQ	1x6 S-Video w/Audio .....	60-692-22

### DA 6SVA RCA EQ

Six Output S-Video and Stereo Audio Distribution Amplifier with Gain and EQ Controls

UNIQUE FEATURES

- Unbalanced stereo audio on RCA jacks



MODEL	VERSION DESCRIPTION	PART #
DA 6SVA RCA EQ	1x6 S-Video w/Audio on RCAs .....	60-692-32

DA SV EQ Series Accessories

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
RSU 126	1U 6" Deep Universal Rack Shelf Kit .....	page 819	60-190-10
RSB 126	1U 6" Deep Basic Rack Shelf .....	page 819	60-604-10
CSR 6	Captive Screw to RCA Female Audio Adapter .....	page 796	26-575-01

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DA SV EQ Series

**SPECIFICATIONS**

**VIDEO**

**Gain**  
 Y ..... -1 dB to +3 dB (x 0.9 to x 1.4), adjustable per every 2 outputs  
 C (chroma) ..... 0 dB to +10 dB (x 1 to x 3), adjustable  
**Equalization** ..... 0 dB to +6 dB (x 1 to x 2) at 5 MHz, adjustable per every 2 outputs  
**Bandwidth** ..... 150 MHz (-3 dB)  
**Output cable**  
**driving distance** ..... Up to 1000 feet with Mini HR cable, up to 1500 feet with RG6 or RG59 cables

**VIDEO INPUT AND LOOP-THROUGH**

**Number / Signal type** ..... 1 S-video, 1 S-video passive loop-through  
**Connectors** ..... 1 female 4-pin mini DIN (input), 1 female 4-pin mini DIN (loop-through)  
**Nominal level** ..... 1 Vp-p for Y of S-video  
 0.3 Vp-p for C of S-video  
**Minimum / Maximum levels** .. Y: 0.4 V to 2.0 Vp-p with no offset at unity gain  
**Impedance** ..... 75 ohms or Hi-Z, selectable  
**Return loss** ..... -30 dB @ 5 MHz  
**DC offset** (max. allowable) ..... 4.0 V, AC coupled

**VIDEO OUTPUT**

**Number / Signal type** ..... 6 S-video  
**Connectors** ..... 6 female 4-pin mini DIN  
**Nominal level** ..... 1 Vp-p for Y of S-video  
 0.3 Vp-p for C of S-video  
**Minimum / Maximum levels** .. 0.4 V to 2.0 Vp-p  
**Impedance** ..... 75 ohms  
**Return loss** ..... -30 dB @ 5 MHz

**SYNC**

**Standards** ..... NTSC 3.58, NTSC 4.43, PAL, SECAM

**AUDIO (DA 6SVA EQ AND DA 6SVA EQ RCA)**

**Gain** ..... Unity when internal jumpers are set to match output wiring.  
 See table below for other conditions.

Output Wiring	Internal Jumpers	
	Balanced	Unbalanced
Balanced	0 dB	+6 dB
Unbalanced	-6 dB	0 dB

**Frequency response** ..... 20 Hz to 20 kHz, ±0.05 dB (with voltage reference @ 1 kHz)  
**THD + Noise** ..... 0.03% @ 1 kHz at nominal level  
**S/N** (at any output) ..... >90 dB, unbalanced, at maximum output (unweighted)  
**Stereo channel separation** ..... >80 dB @ 1 kHz, >60 dB @ 20 kHz  
**CMRR** ..... >75 dB @ 20 Hz to 20 kHz

**Output cable**

**driving distance** ..... Up to 1000 feet with STP 22 cable

**AUDIO INPUT (DA 6SVA EQ AND DA 6SVA EQ RCA)**

**Number / Signal type**

DA 6SVA RCA EQ ..... 1 stereo, unbalanced  
 DA 6SVA EQ ..... 1 stereo, balanced/unbalanced

**Connectors**

DA 6SVA RCA EQ ..... 1 pair female RCA  
 DA 6SVA EQ ..... (1) 3.5 mm captive screw connector, 5 pole

**Impedance**

DA 6SVA RCA EQ ..... >18k ohms, unbalanced, DC coupled  
 DA 6SVA EQ ..... >18k ohms unbalanced, >24k ohms balanced, DC coupled

**Nominal level**

Compatible with +4 dBu (1.23 Vrms), 0 dBu (0.775 Vrms),  
 -10 dBV (316 mVrms), -20 dBV (100 mVrms)

**Maximum level**

DA 6SVA RCA EQ ..... +18 dBu, (unbalanced) at 1%THD+N  
 DA 6SVA EQ ..... +24 dBu, (balanced) at 1%THD+N

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu

**AUDIO OUTPUT (DA 6SVA EQ AND DA 6SVA EQ RCA)**

**Number / Signal type**

DA 6SVA RCA EQ ..... 6 stereo, unbalanced  
 DA 6SVA EQ ..... 6 stereo, balanced/unbalanced

**Connectors**

DA 6SVA RCA EQ ..... 6 pairs of female RCA jacks  
 DA 6SVA EQ ..... (6) 3.5 mm captive screw connectors, 5 pole

**Impedance**

DA 6SVA RCA EQ ..... 50 ohms unbalanced  
 DA 6SVA EQ ..... 50 ohms unbalanced, 100 ohms balanced

**Maximum level (Hi-Z)**

DA 6SVA RCA EQ ..... >+18 dBu, unbalanced at 1%THD+N  
 DA 6SVA EQ ..... >+24 dBu, balanced at 1%THD+N

**Maximum level (600 ohm)**

DA 6SVA EQ ..... >+15 dBm, balanced at 1%THD+N

**GENERAL**

**Power** ..... 100 VAC to 240 VAC, 50/60 Hz, 8 watts, internal, universal  
**Temperature / Humidity** ..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing  
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

**Rack mount**

Yes, with optional 1U rack shelf, part #60-190-01 or 60-604-01; or  
 #60-190-10 or 60-604-10; Also furniture mountable with an optional  
 Under-Desk Mounting Kit, #70-077-01, or Through-Desk Mounting Kit,  
 #70-077-02

**Enclosure type**

Metal  
**Enclosure dimensions** ..... 1.7" H x 8.7" W x 6.0" D (1U high, half rack wide)  
 4.3 cm H x 22.1 cm W x 15.2 cm D (Depth excludes connectors.)

**Product weight**

2 lbs (0.9 kg)

**Shipping weight**

4 lbs (2 kg)

**Vibration**

ISTA 1A in carton (International Safe Transit Association)

**Listings**

UL, CUL

**Compliances**

CE, FCC Class A, VCCI, AS/NZS, ICES

**MTBF**

30,000 hours

**Warranty**

3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.